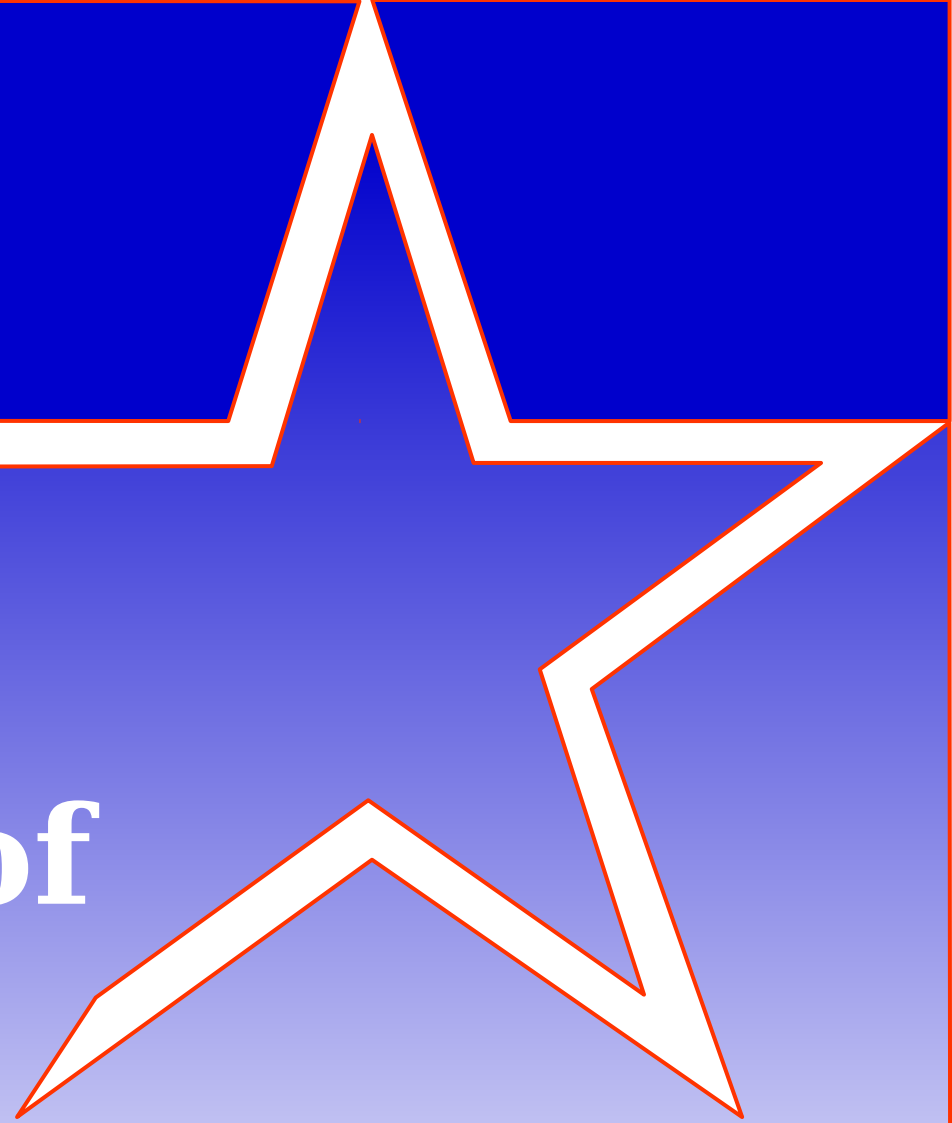
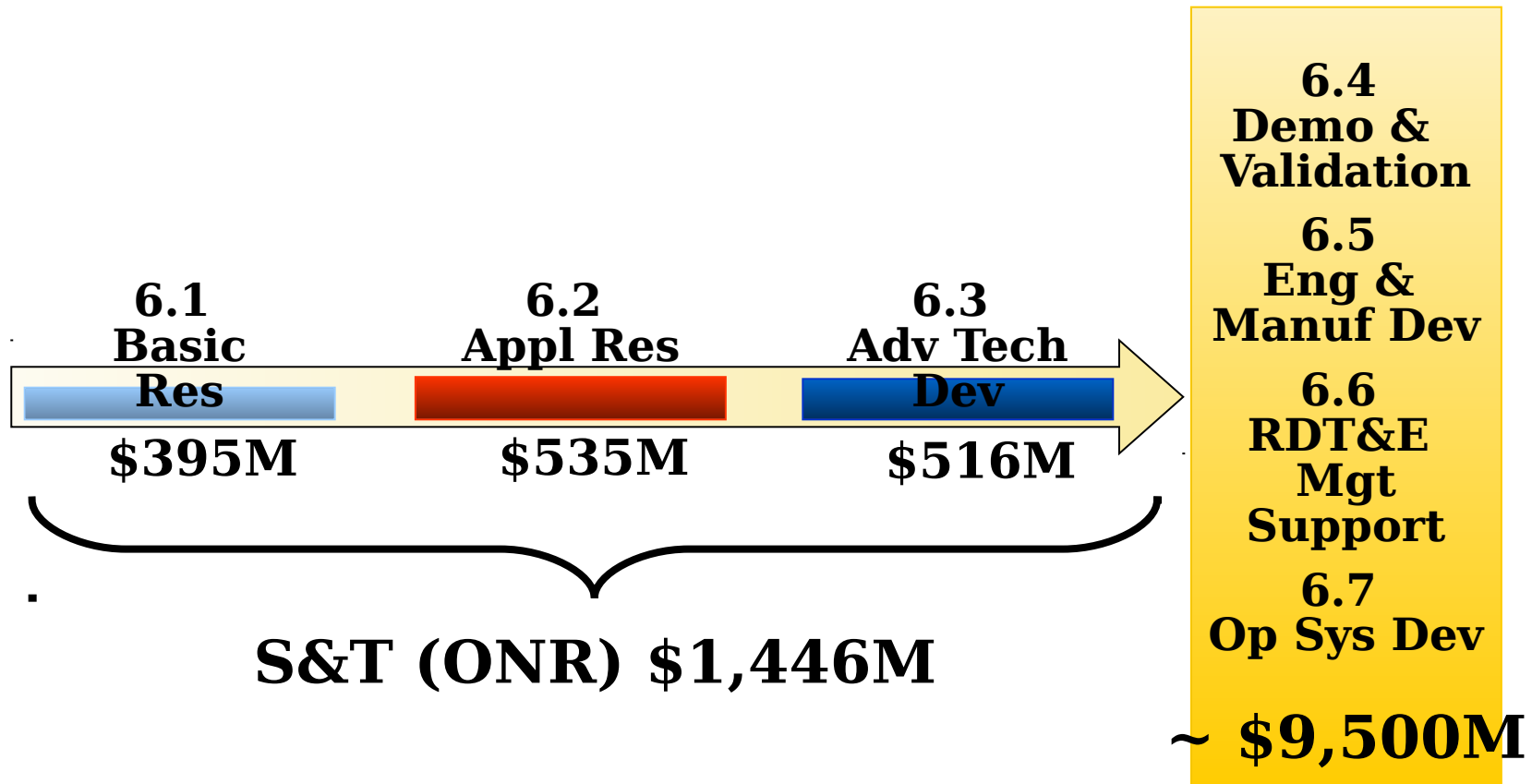


Future Naval Capabilities: An Overview of Program



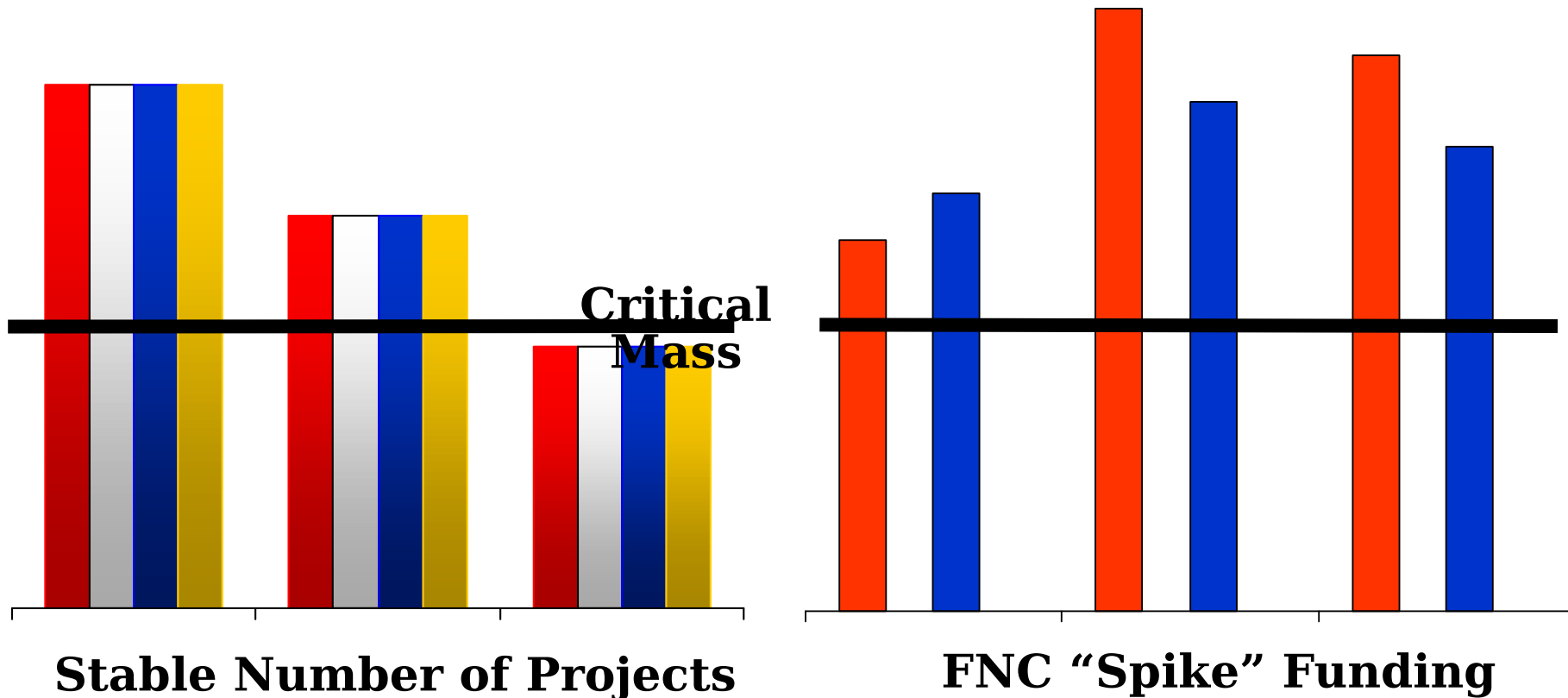
DoN RDT&E Continuum

NPRST



Total RDT&E ~ \$11B

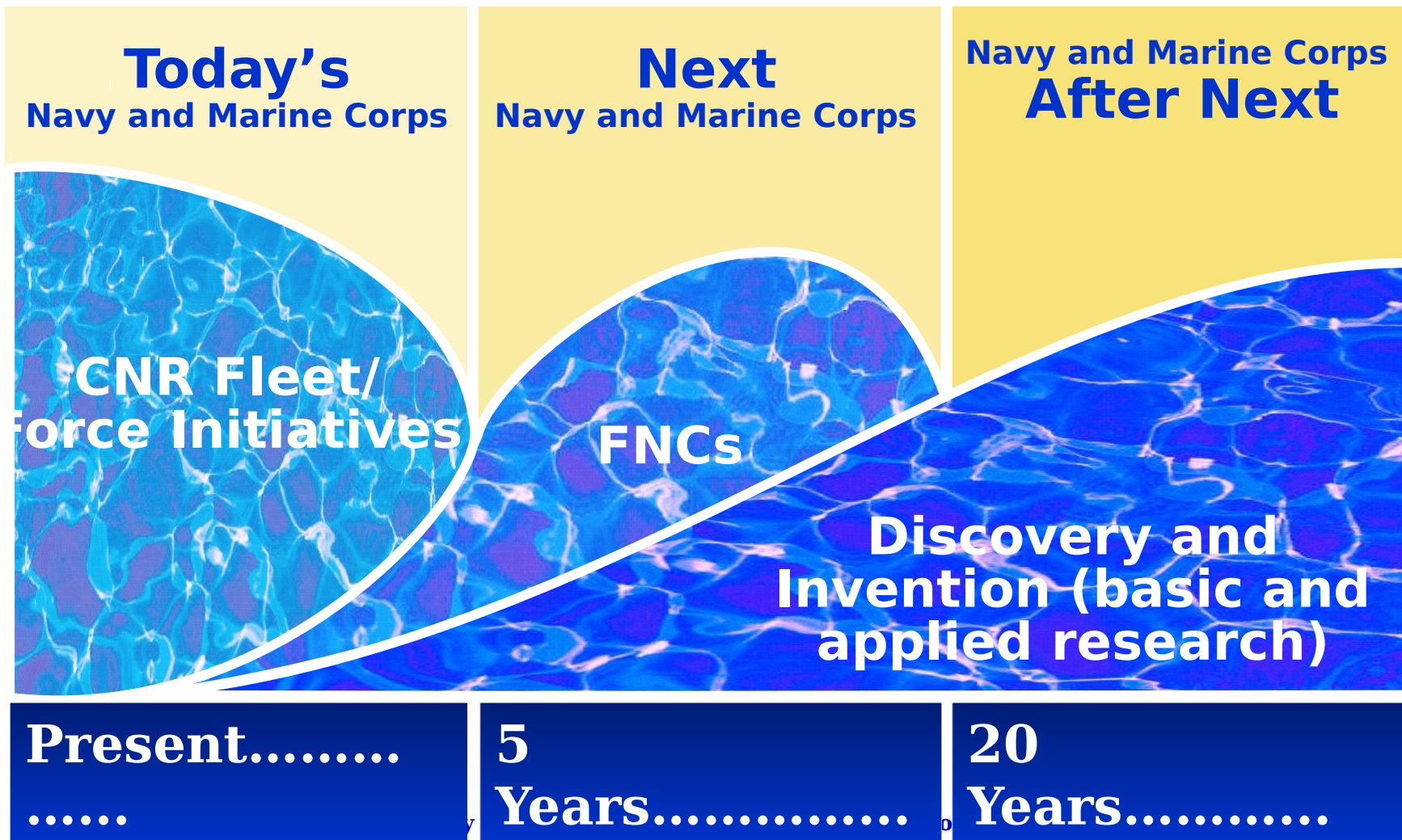
Problem and FNC solution



Declining total research funding for a stable number of programs reduces all programs below transition critical mass. FNC "spikes" funding in selected projects.

The Way Ahead for Naval S&T: A look at tomorrow through the porthole of today

NPRST



Characteristics of the FNC Program

NPRST

- **Systematically addresses only high priority Navy requirements**
- **Transitions products from S&T to operational use**
- **Focuses on future capabilities, not just narrow technology goals**

Navy FNCs (\$M)

NPRST

Platform Protection	87.1
Knowledge Superiority & Assurance	86.6
Littoral ASW	78.4
Organic MCM	69.7
Time Critical Strike	52.0
Littoral Warfare (combines combat & logistics)	45.0
Missile Defense	40.0
Capable Manpower	35.3
Autonomous Operations	32.9
Total Ownership Cost	32.6
Warfighter Protection	26.3
Electric Warship	15.0
Total	562.9

Capable Manpower FNC

NPRST

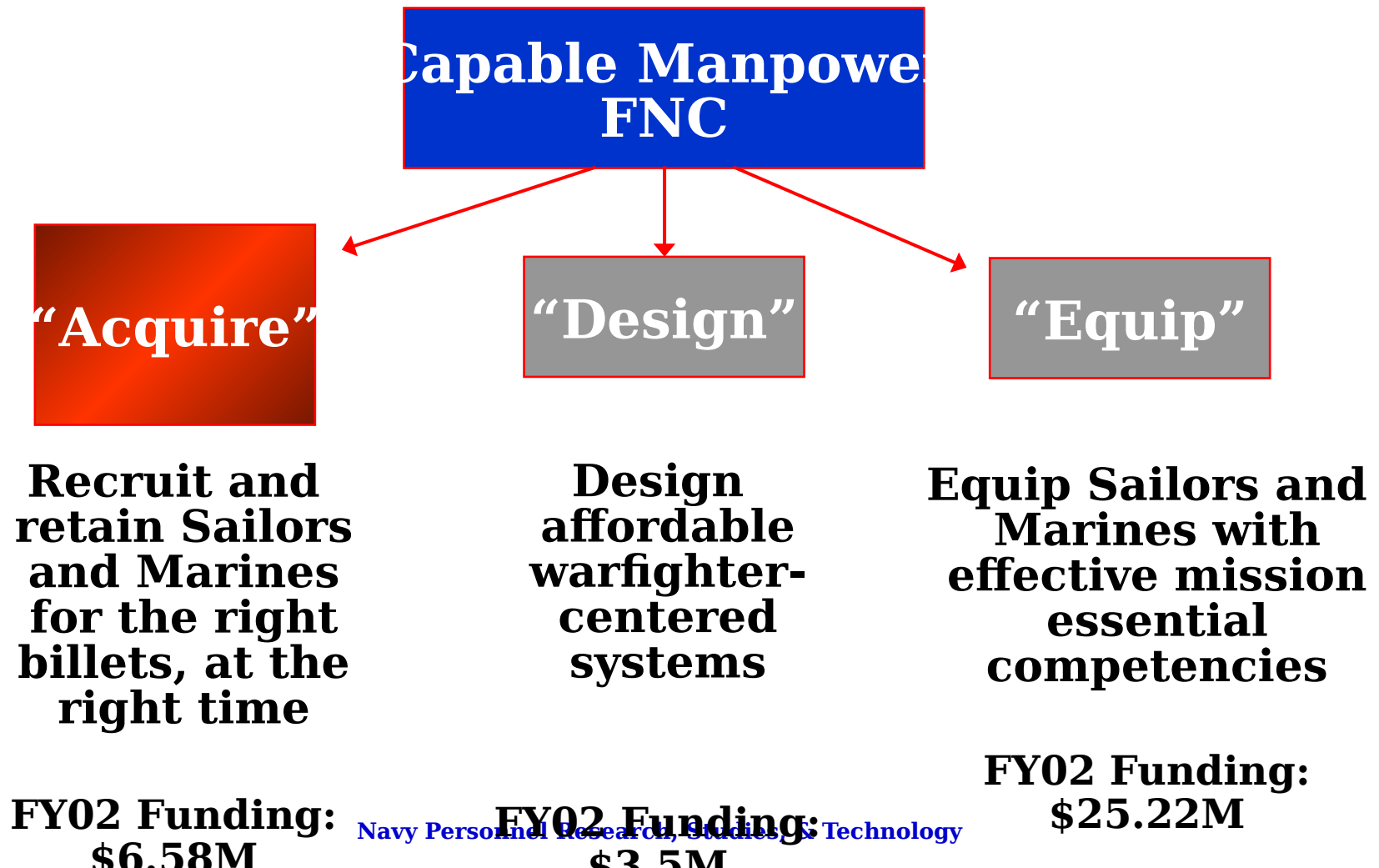
Capable Manpower (CM) FNC:

- **Fully prepare Sailors and Marines to fight and win in an information rich, distributed battlespace using human-centered hardware and systems**

Vision and Direction

- **Each FNC is assigned an Executive Integrated Product Team (EIPT) to serve as “Board of Directors”**
- **EIPT reviews and approves programs in the budget and outyears**
- **Process for EIPT consideration of new proposals/priorities/STs to be developed**
- **FNC EIPTs do not replace specific project/product IPTs**

The CM EIPT has Three Enabling Capabilities (ECs) *NPRST*



Supporting Technologies (STs)

NPRST

Capable Manpower FNC

“Acquire” EC

- Whole Person Assessment (WPA)
- Sailor/Marine Career Management System (S/MCMS)
- Personnel Situation Monitoring, Assessment, and Response

Technology (P-SMART)

“Design” EC

- Design Tools
- Advanced Interface Design/ Training Capability

“Equip” EC

- Advanced Distance & Distributed Learning (ADL)
- OJT & Maintenance
- Support for Individuals & Teams
- Virtual Technologies/ Environments (VIRTE)

Visualization-based Training & support